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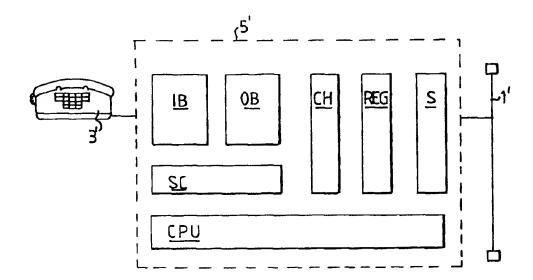
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(54) Title: METHOD AND APPARATUS FOR ALLOWING ORDINARY TELEPHONES TO CONNECT TO A DATA NETWORK



(57) Abstract

The present invention relates to an apparatus and a method for allowing ordinary telephones to connect to a data network. An adaptation means (5; 5') is used between the telephone (3; 3') and the data network (1; 1'), said adaptation means (5; 5') comprising means for the buffering, and compressing/decompressing of speech data and conversion of speech data into data packets and vice versa.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 98/01216

A. CLASSIFICATION OF SUBJECT MATTER						
IPC6: H04L 12/56, H04M 11/06 According to International Patent Classification (IPC) or to both national classification and IPC						
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Documentation searched other than minimum documentation to the	extent that such documents are included in	the fields searched				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category* Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.				
A EP 0687088 A2 (MOTOROLA, INC.), (13.12.95), see the whole do	EP 0687088 A2 (MOTOROLA, INC.), 13 December 1995 (13.12.95), see the whole document					
A WO 9717785 A1 (KABUSHIKI KAISHA 1997 (15.05.97), abstract	TOSHIBA), 15 May	1,7				
P,A EP 0824298 A2 (HARPER, JOHN), 18 (18.02.98), column 2, line 4 abstract		1-10				
P,A EP 0781016 A2 (SONY CORPORATION) (25.06.97), abstract	EP 0781016 A2 (SONY CORPORATION), 25 June 1997 (25.06.97), abstract					
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 98/01216

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
E,A	WO 9839897 A1 (SHELCAD ENGINEERING LTD.), 11 August 1998 (11.08.98), abstract	1-10
		<u>'</u>
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

03/11/98

PCT/SE 98/01216

Patent document cited in search report		Publication date	Patent family member(s)			Publication date	
EP	0687088	A2	13/12/95	CN US	1123977 5530699	• •	05/06/96 25/06/96
WO	9717785	A1	15/05/97	CA DE GB GB JP	2209946 19681138 2313018 9714198 9135250	T A D	15/05/97 22/01/98 12/11/97 00/00/00 20/05/97
EP	0824298	A2	18/02/98	GB	9616589	D	00/00/00
EP	0781016	A2	25/06/97	CA JP	2192740 9168051		19/06/97 24/06/97
WO	9839897	A1	11/08/98	IL	120370	D	00/00/00